



WFA100KUR

WAYFARER 1.0m Ku-Band Auto Flyaway Antenna - Ring Focus

Antenna Type: Ring Focus



KEY SPECIFICATIONS

Acquisition And Tracking	Automatic
Antenna Aperture	1.0m
Antenna Category	Flyaway
Band	Ku-Band
Number Of Onboard LOs	Single-Band
Product Revision	A

ANTENNA SPECIFICATIONS

Antenna Type	Ring Focus
Azimuth Angle	$\pm 200^\circ$
Azimuth Velocity	$0.1^\circ / S \sim 3^\circ / S$
Cross Polarization Isolation	≥ 35 dB
Elevation Angle	$10^\circ - 90^\circ$
Elevation Velocity	$0.1^\circ / S \sim 3^\circ / S$
Initial Auto Acquisition Time	≤ 3 min
Polarization	Linear
Polarization Range	$\pm 90^\circ$
Polarization Velocity	$1^\circ / S$
Sidelobe	First sidelobe ≤ -14 dB

RF SPECIFICATIONS

Port Isolation Rx-Tx	85 dB
Port Isolation Tx-Rx	40 dB
Power Capacity	100 W
Rx Frequency	10.7 - 12.75 GHz
Rx Gain	$\geq 39.9 \text{dBi} + 20 \lg(f/12.5 \text{GHz}) \text{dBi}$



Rx Interface	WR75
Rx VSWR	$\leq 1.5 : 1$
Tx Frequency	13.75 - 14.50 GHz
Tx Gain	$\geq 41.0\text{dBi} + 20\lg(f/14.25\text{GHz})\text{dBi}$
Tx Interface	WR75
Tx VSWR	$\leq 1.5 : 1$

ELECTRICAL SPECIFICATIONS

Power Supply	220VAC 50Hz, $\leq 80\text{W}$ (excluding BUC, windless condition)
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INTERFACE SPECIFICATIONS

Positioning Mode	Beacon/DVB carrier
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ENVIRONMENTAL SPECIFICATIONS

Humidity	95% (20°C)
IP Rating	IP 65
Temperature Operational	-40°C to +60°C
Temperature Storage	-50 °C to +70°C
Windspeed Operational	$\leq 11\text{m/s}$
Windspeed Survival	$\leq 18\text{m/s}$

PHYSICAL SPECIFICATIONS

Color	White
Default Cable (Included)	Power Supply and RF cable
Default Cable Length	10m
Product Weight	$\leq 26\text{ kg}$ (excluding BUC, LNB, packaging and accessories)
RMS	0.3dB

SHIPPING INFORMATION

HS Code	8517710000
Country of Origin	Made in China
Ex Works	Hong Kong
ECCN Number	EAR99
Warranty	1 year
Unit Package Dimensions	-
Unit Package Weight	-
Total Aluminium Content	0 kg
Aluminum Country of Smelt and Cast	-
Total Aluminium Value	\$ 0

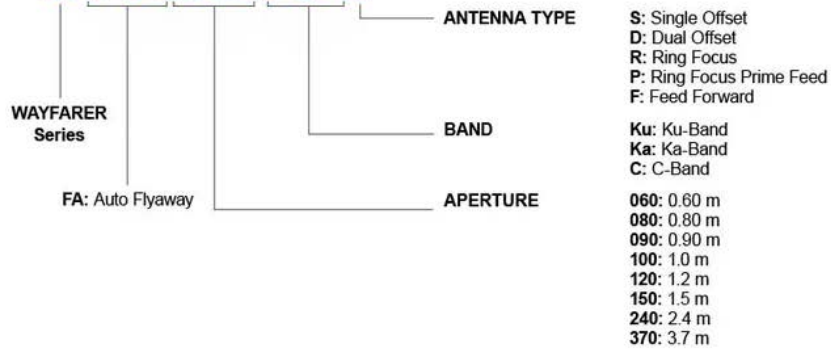
HOW TO ORDER



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WFA120KAP





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MECHANICAL DIAGRAMS



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